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INTRODUCTION

A guide on how to remove the **Fan**.



TOOLS:

- [Phillips #00 Screwdriver](#) (1)
 - [Spudger](#) (1)
 - [T8 Torx Screwdriver](#) (1)
-

Step 1 — LED Cover



- Turn the laptop bottom side up with the rear panel facing forward.

Step 2



- Remove the two T8 Torx screws that secure the LED cover to the base enclosure.

Step 3



- Turn the laptop top side up with the front facing forward. Open the screen.

Step 4



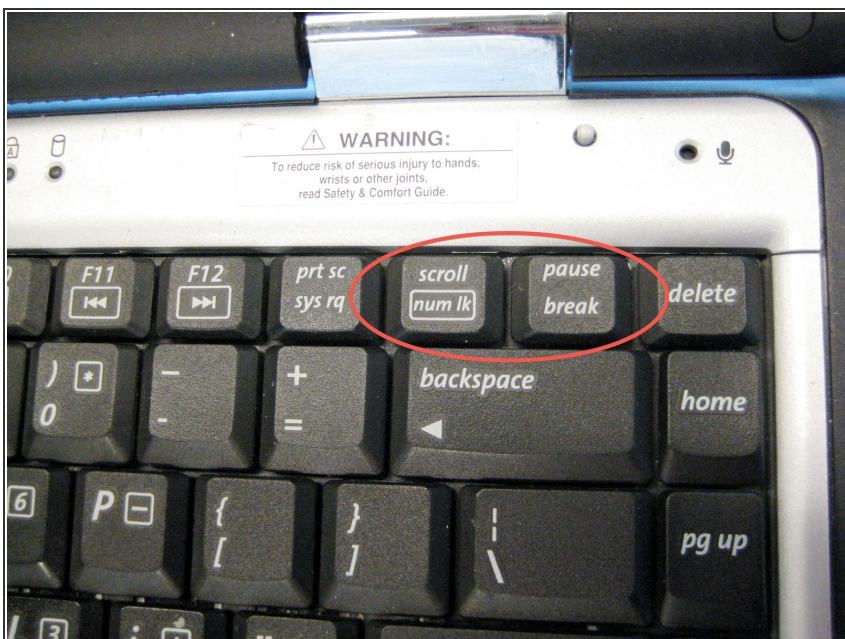
- Locate the **F1** and **F2** keys near the top left corner of the keyboard.

Step 5



- While holding the **F1** and **F2** keys, insert a spudger between the keys into the notch in the LED cover. Lift up.

Step 6



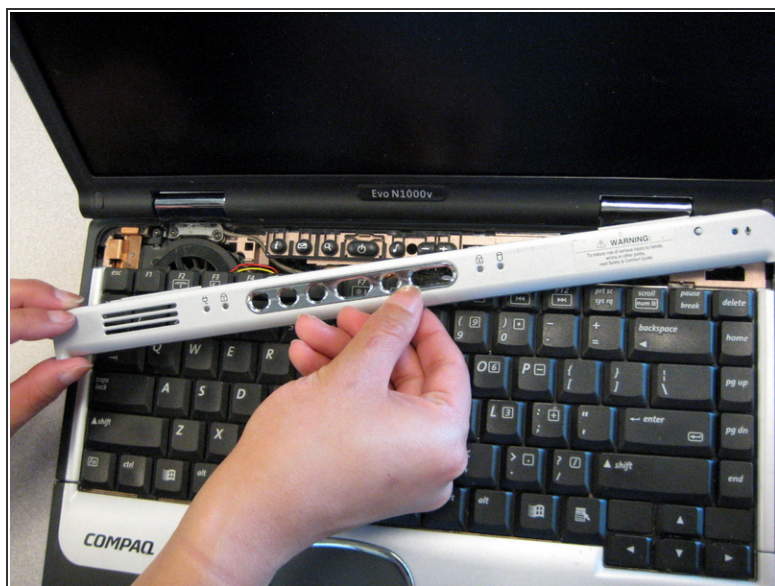
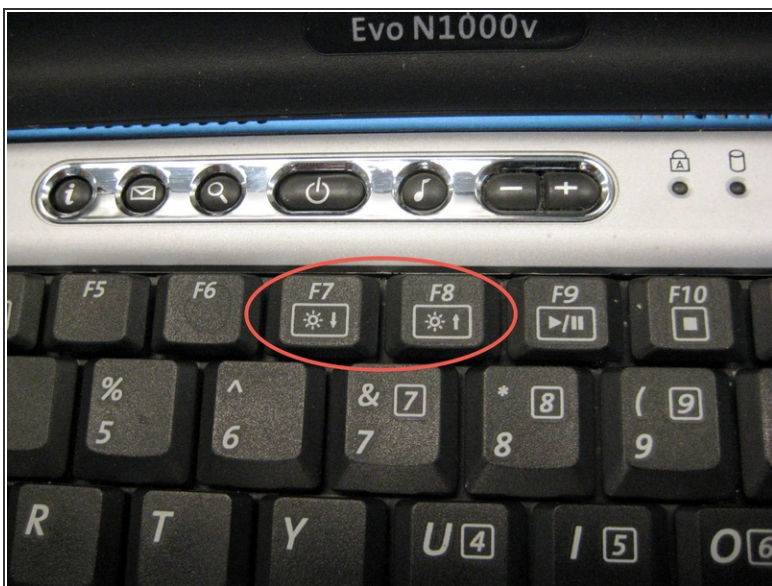
- Locate the **Pause** and **Scroll** keys near the top right corner of the keyboard.

Step 7



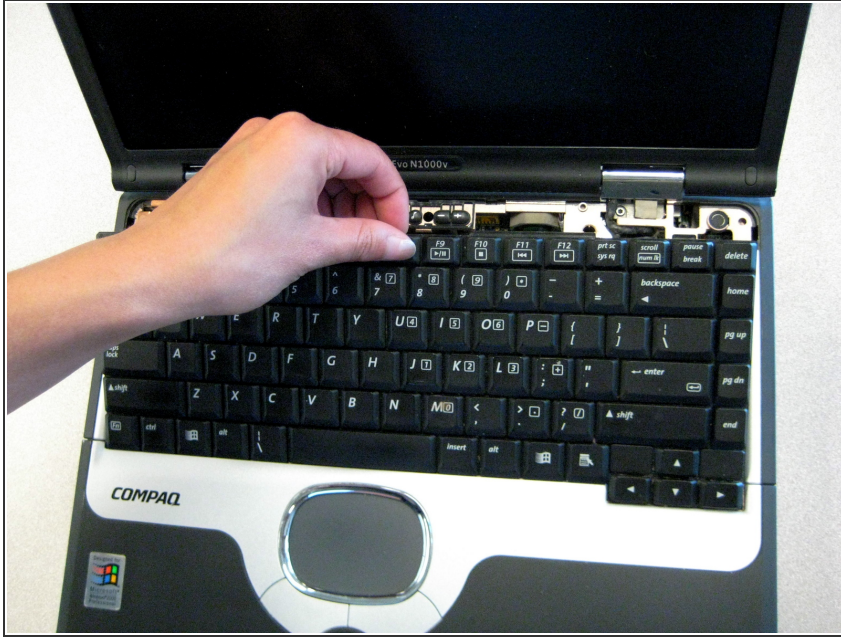
- While holding the ***Pause*** and ***Scroll*** keys, insert a spudger between the keys into the notch in the LED cover. Lift up.

Step 8



- Insert a spudger between the ***F7*** and ***F8*** keys. Lift up to remove the LED cover.

Step 9 — Keyboard



- Lift the back edge of the keyboard and pull towards the screen.

Step 10



- Pull the cable and lift up to release.

Step 11



- Remove the keyboard.

Step 12 — Heat Sink



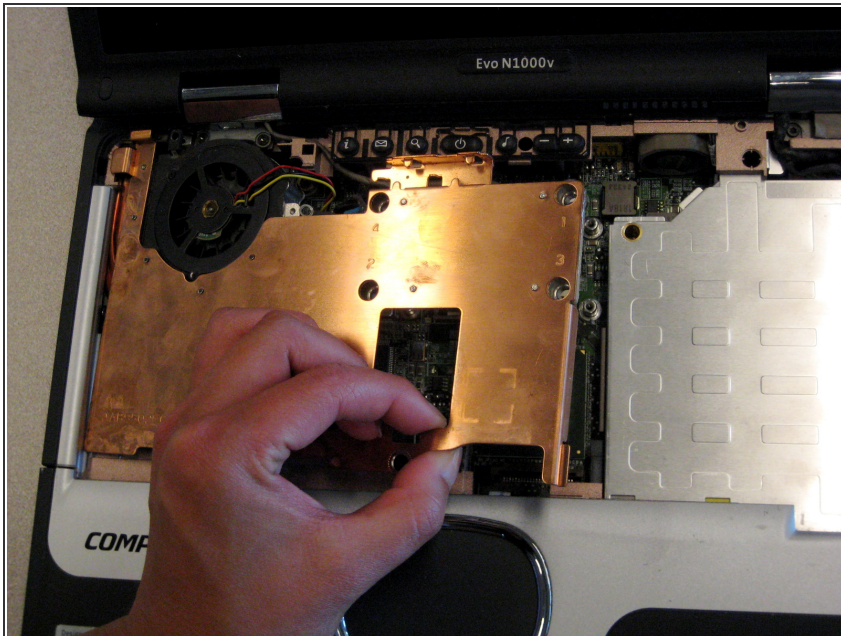
- Locate the fan near the top left corner. It has three colored wires: yellow, red, and black.
- Disconnect the cable connecting the fan to the system board.

Step 13



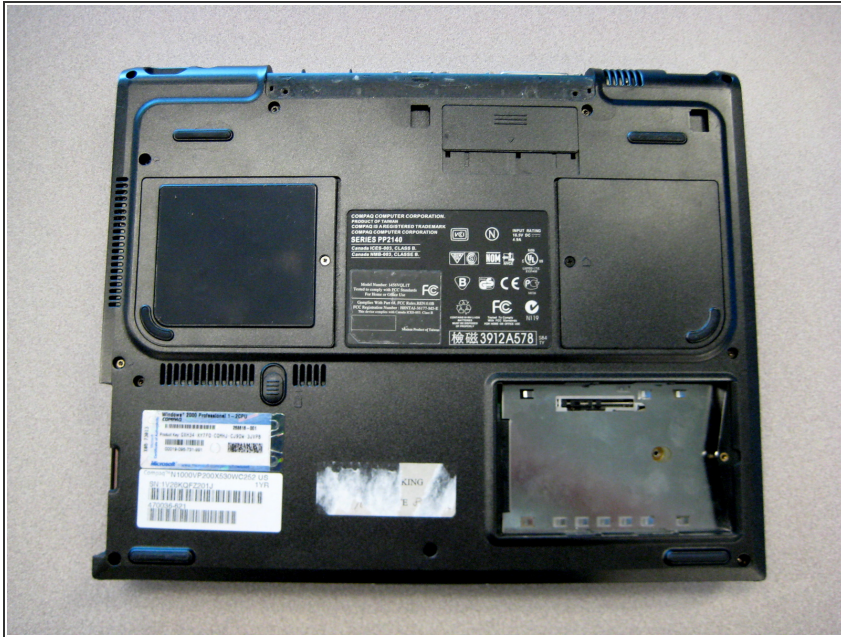
- Locate and remove the four screws in the copper plate.

Step 14



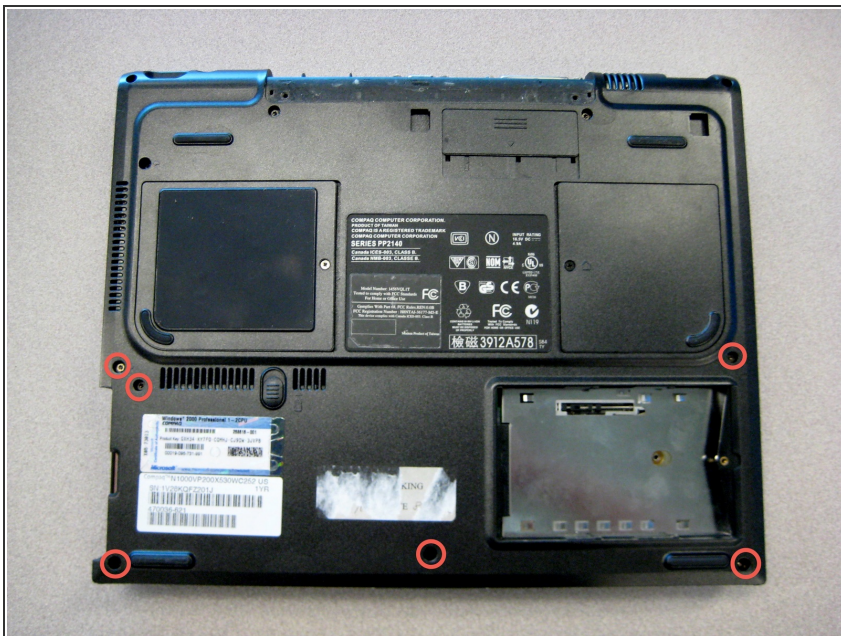
- Remove the heat spreader by pulling the whole assembly up out of the computer.

Step 15 — Palm Rest



- Flip the computer bottom side up with the rear facing forward.

Step 16



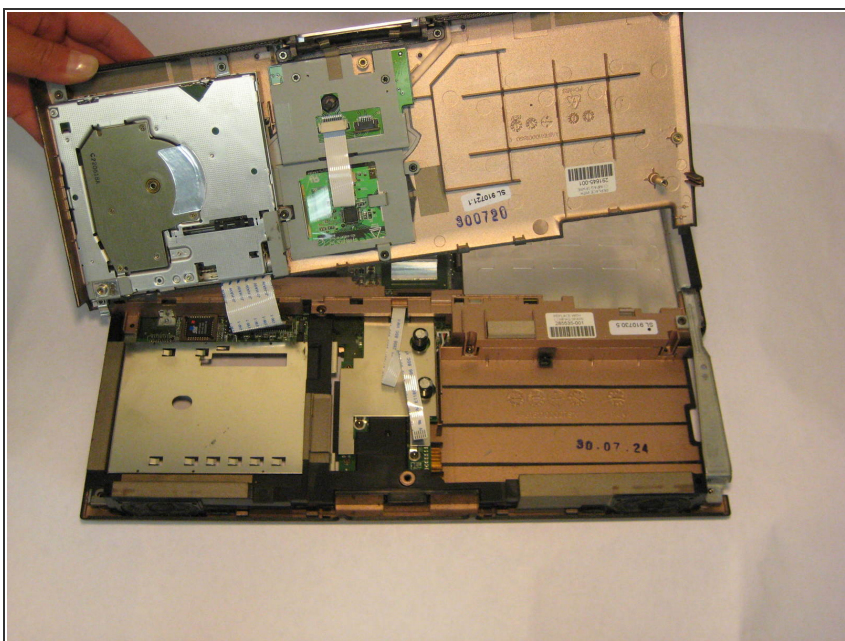
- Remove the six screws shown in picture.

Step 17



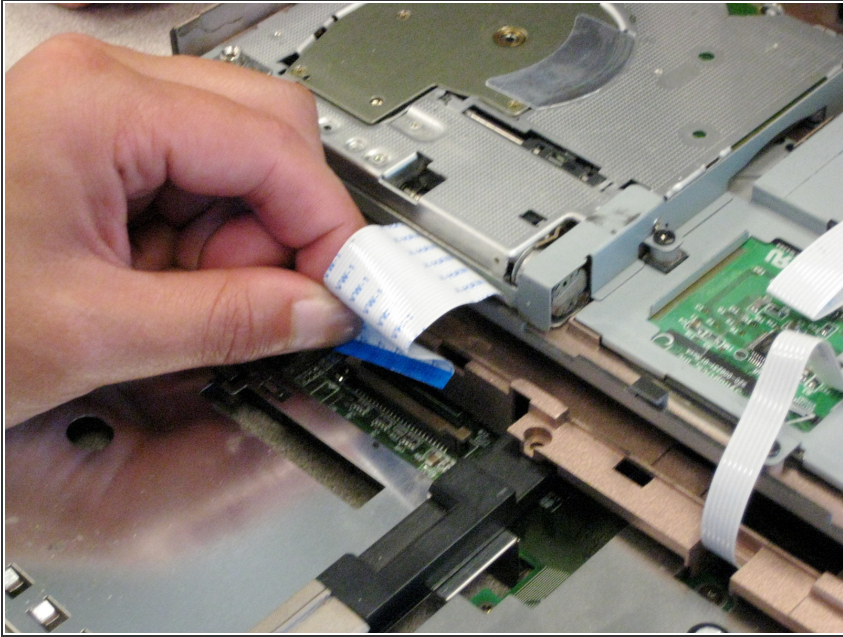
- Remove battery and then remove screw in metal support on case edge
- Flip the computer top side up with the front facing you.

Step 18



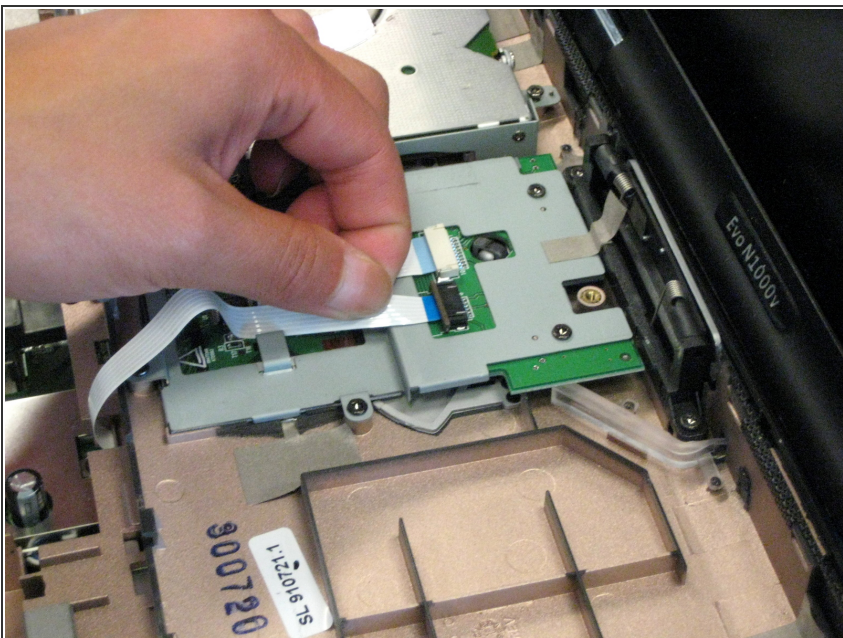
- Lift up the palm rest from the front edge and swing it towards the screen.

Step 19



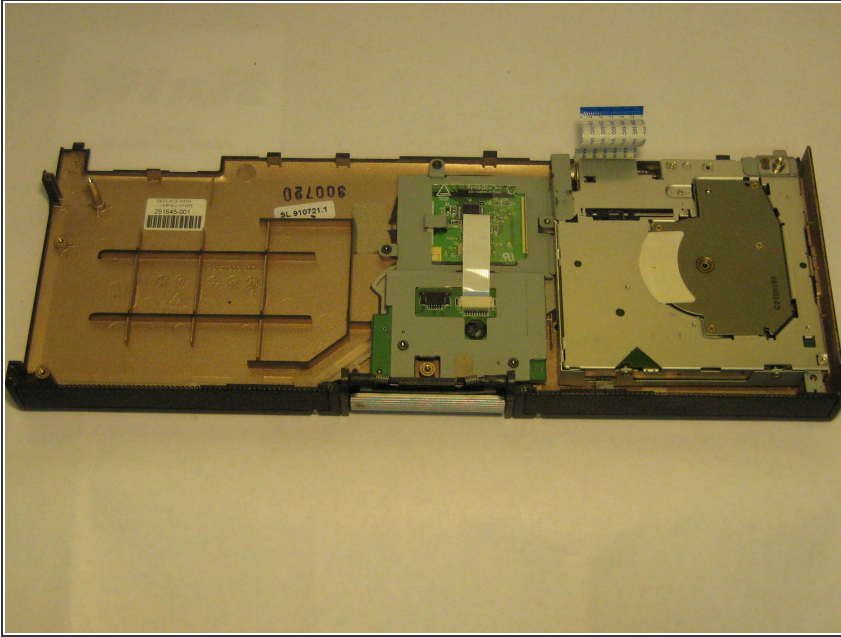
- Locate the first connector.
Disconnect by firmly pulling up.

Step 20



- Locate the second connector.
Remove by firmly pulling up.

Step 21



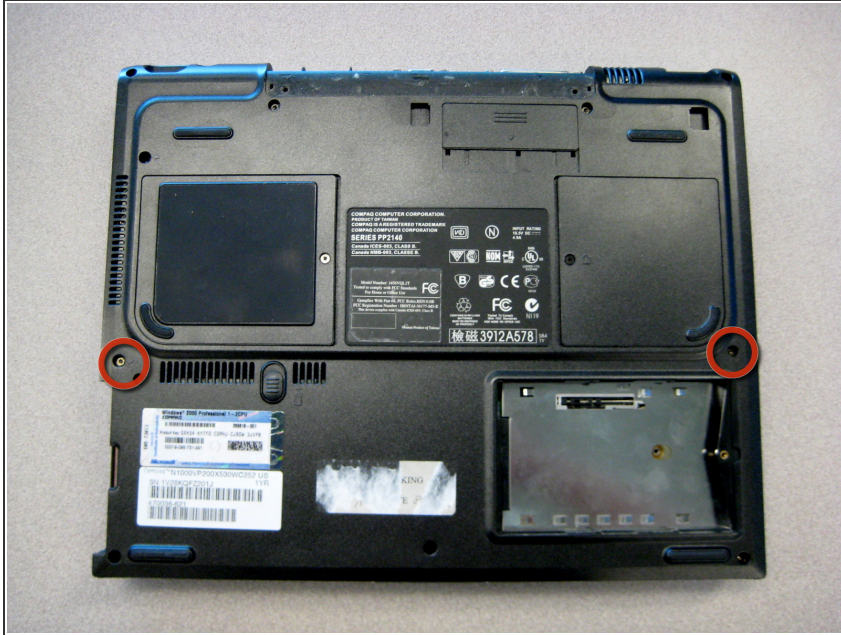
- Remove the palm rest.

Step 22 — Top Cover



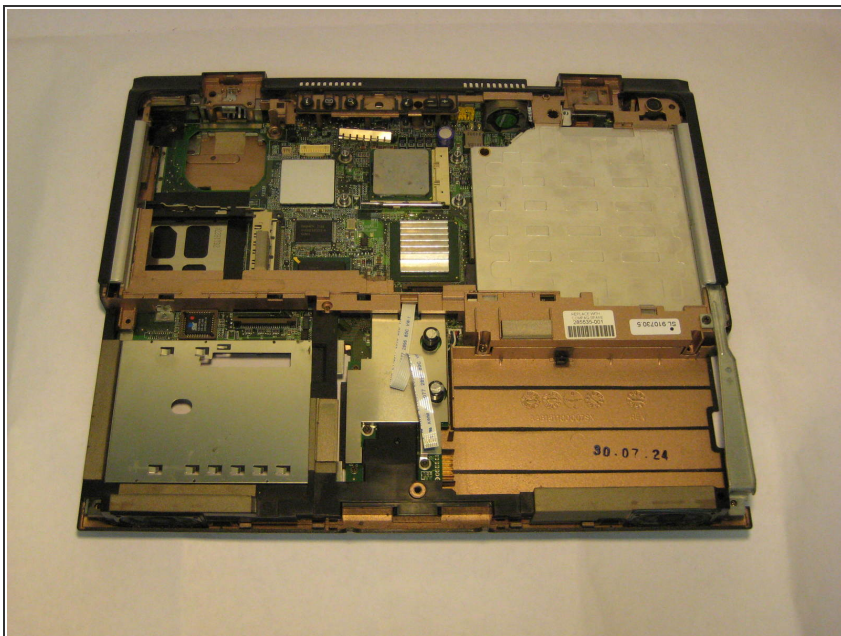
- Turn the base bottom side up.

Step 23



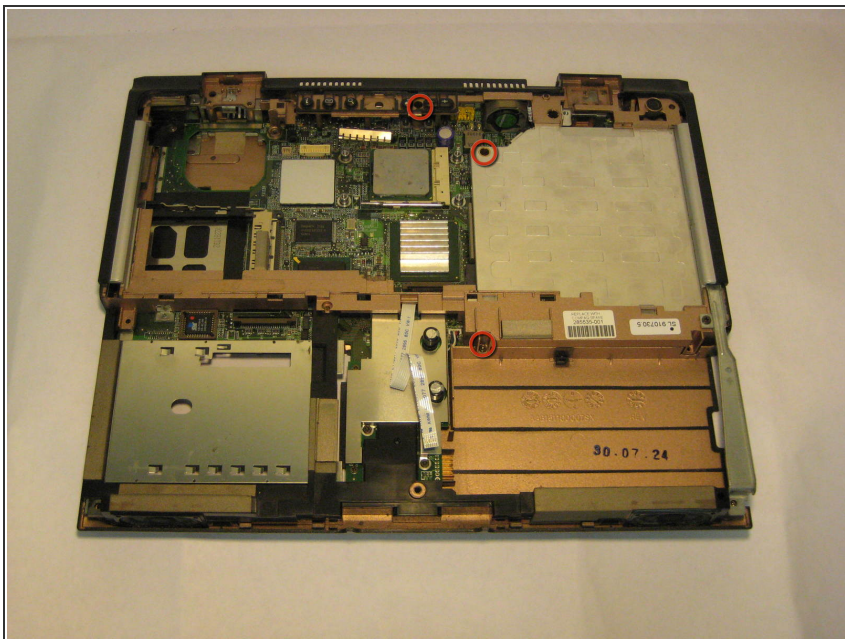
- Remove the two TM 2.5mm x 8.0mm screws that secure the top cover to the base.

Step 24



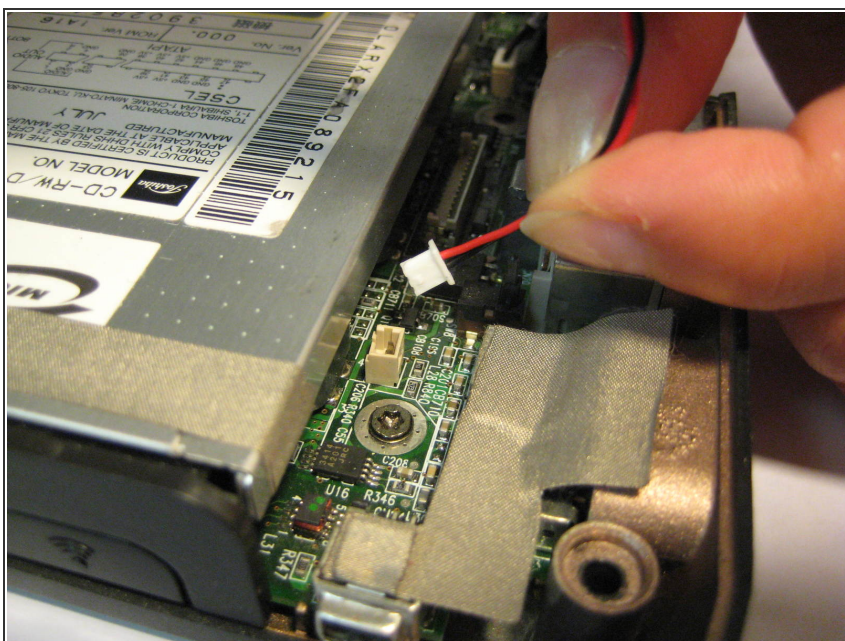
- Turn the base top side up with the front facing forward.

Step 25



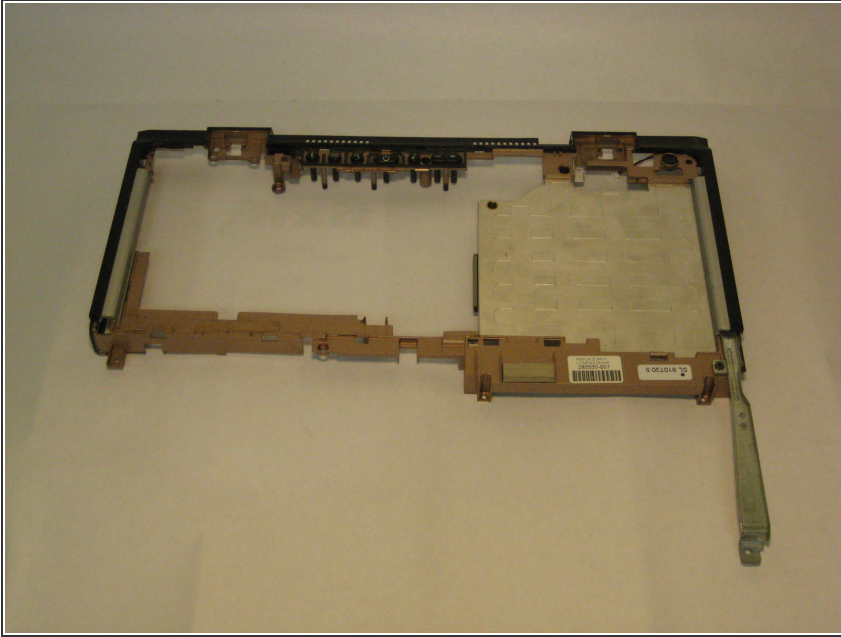
- Remove the three TM 2.5 mm x 5.0 mm screws that secure the top cover to the base.

Step 26



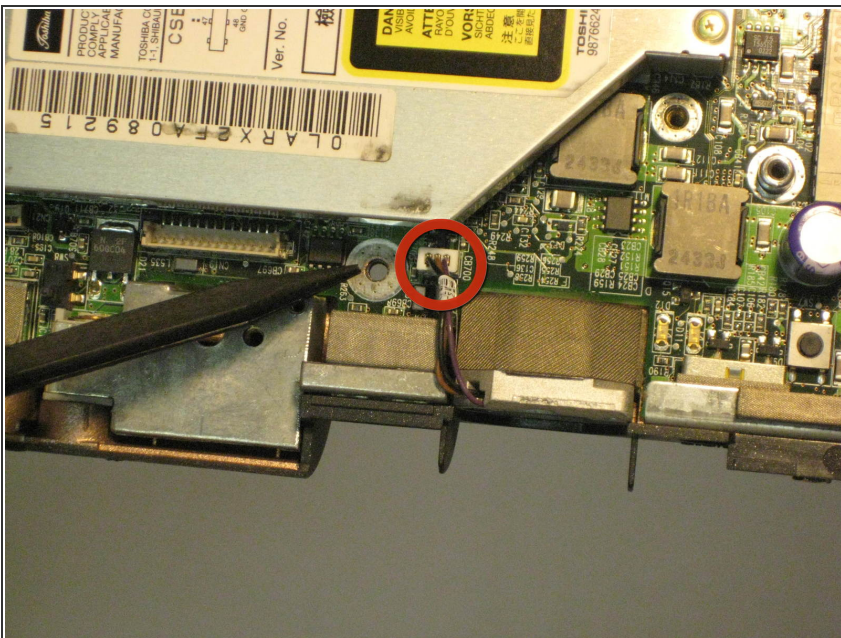
- Lift the top cover straight up about one inch, then slide forward until the microphone cable is exposed.
- Disconnect the microphone cable from the system board.

Step 27



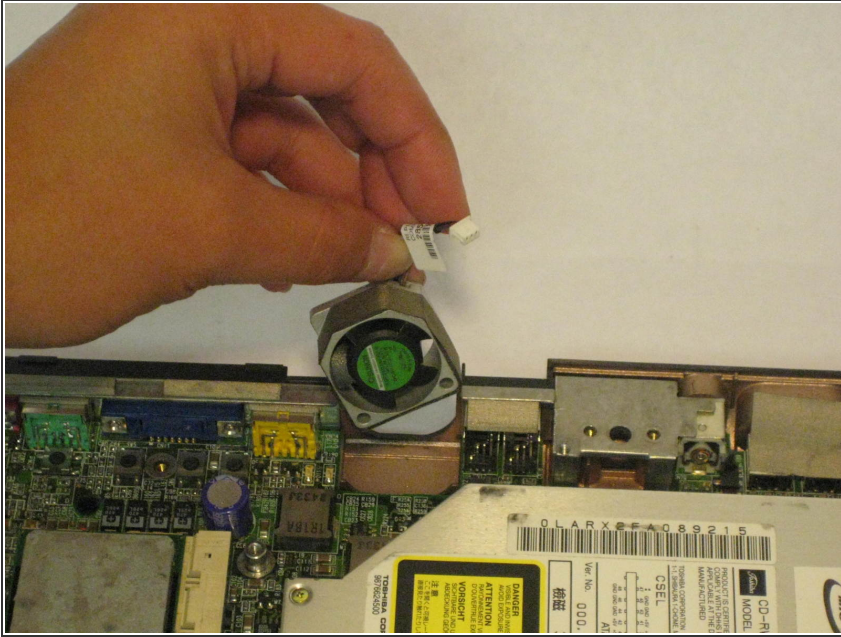
- Remove the top cover from the base.

Step 28 — Fan



- Disconnect the fan cable from the system board.

Step 29



- Remove the fan from the base.

To reassemble your device, follow these instructions in reverse order.

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